

ABSTRACT

This task management method includes dividing a unit time of processing into a reserved band for guaranteeing real-timeliness and a non-reserved band not for guaranteeing real-timeliness, and skipping a task to be executed in the non-reserved band as appropriate when processor throughput falls. That is, when the operating frequency of the processor is lowered in order to suppress heat generation, the real-timeliness of tasks to be executed in the reserved band is guaranteed at the expense of processing the task to be executed in the non-reserved band in a best-efforts fashion.